INSTALLATION INSTRUCTIONS
for the
Legacy Chair™

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INSTALLATION INSTRUCTIONS for the *Legacy Chair*™

SECTION I - REQUIREMENTS

1. PHYSICAL REQUIREMENTS

Before installing the chair ensure that the physical requirements are met (See Figure 1). The chair should be at least 18 inches from the nearest wall, cabinet, or any permanent fixture when in the fully reclined position. Note that the chair seat moves back 4-1/2 inches as the base is raised.

2. ELECTRICAL REQUIREMENTS:

Before connecting the line cord to an appropriate receptacle, make certain that the circuit is protected by a 15-amp circuit breaker for 120-VAC models, or a 7.5-amp breaker for 240-VAC models. Ensure that all wiring is grounded and all electrical codes are observed.

WARNING - Potential shock hazard with possible personal injury. To reduce shock hazard, observe all electrical codes.

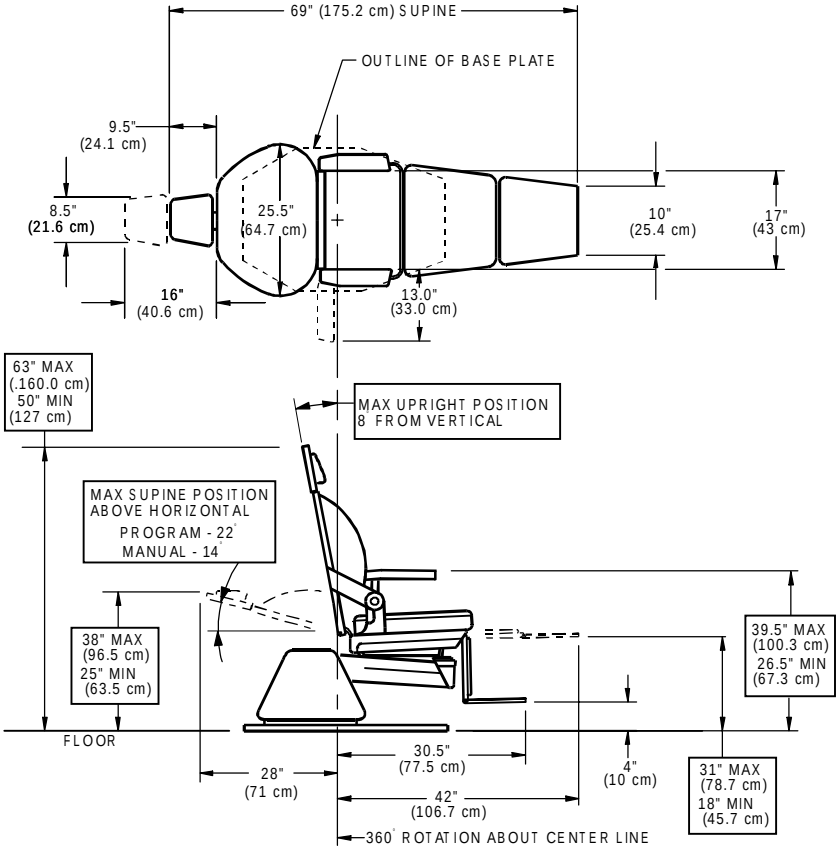
69" (175.2 cm) SUPINE
OUTLINE OF BASE PLATE
9.5" (24.1 cm)
8.5" (21.6 cm)
25.5" (64.7 cm)
10" (25.4 cm)
17" (43 cm)
16" (40.6 cm)
13.0" (33.0 cm)
63" MAX (.160.0 cm) 50" MIN (127 cm)
MAX UPRIGHT POSITION 8° FROM VERTICAL
MAX SUPINE POSITION ABOVE HORIZONTAL PROGRAM - 22° MANUAL - 14°
38" MAX (96.5 cm) 25" MIN (63.5 cm)
39.5" MAX (100.3 cm) 26.5" MIN (67.3 cm)
FLOOR
30.5" (77.5 cm)
28" (71 cm)
4" (10 cm)
31" MAX (78.7 cm) 18" MIN (45.7 cm)
42" (106.7 cm)
360° ROTATION ABOUT CENTER LINE

Figure 1

SECTION II - INSTALLATION

1. UNPACKING THE CARTONS

The chair is shipped in two cartons, one large carton and a smaller carton, containing the following items:

LARGE CARTON

- Chair mounted on a pallet with backrest disconnected
- Plastic bag containing installation hardware and warranty card
- Installation instructions (this manual) and operator's manual
- Foot Control
- Headrest and Cushion

SMALL CARTON

- Seat Cushion
- Back Cushion
- A Set of Armrests
- Hardware Kit

Check for signs of damage to either carton or to the contents and that all items listed above are present. If there is any evidence of damage due to shipping or if any of the items is missing from the cartons, notify the shipper at once. Be careful not to discard any small parts or instruction sheets with the packing material.

2. UNPACKING THE CHAIR

Use the following procedure to disconnect the chair from the pallet. Leave the chair on the pallet until the chair back has been assembled.

1. Locate the foot controller and remove and discard the packing material. Plug the chair in and raise the chair vertically off the pallet brace using the foot control.

2. Locate the two bolts, washers and nuts that secure the pallet cleat to the pallet, as shown in Figure 2. Using a wrench, remove this hardware. Remove and discard the pallet brace and cleat.

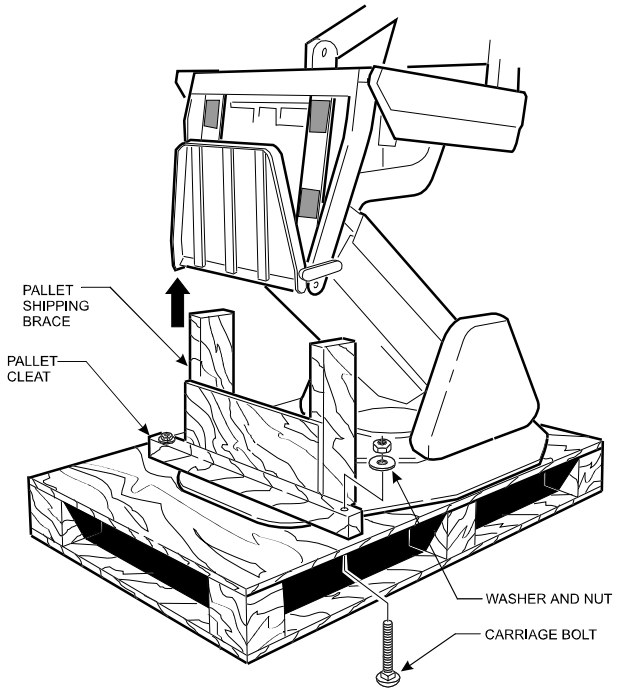

Figure 2

SECTION II - INSTALLATION (CONT)

3. Locate the two nuts at the front of the chair base (beneath the upright housing cover) that secure the chair to the pallet. Remove the nuts, washers and bolts (see Figure 3).

4. Remove all packaging material from the chair and discard.

3. CHAIR BACK ASSEMBLY

To assemble the chair back, use the following procedure:

1. Remove any remaining packing materials, tape, etc., and discard. Remove the tag from the seat frame.

2. Before the chair back can be assembled, the pivot pins and short white bushings must be removed from the tow bar end (See Figure 4). This is done by carefully removing the retaining rings from the pivot pins. Set the pins, bushings and retaining rings aside for use in step 4.

NOTE ▶ **Make certain the long white bushings are left seated in the holes in the tow bar ends before re-installing the pivot pins.**

3. As the chair back is lifted up, the clevis ends will slide in position over the tow bar ends.

NOTE ▶ **Make certain the ground wire and wire harness in the right-hand channel is located behind the pivot pin and held in place by the cable clip located on the inside of the tow bar.**

4. Attach the chair back to the tow bars using the pivot pins and short white bushings. Replace the retaining rings in the grooves at the end of each pivot pin to lock the pins in place. **Lubricate each joint with a drop of light weight oil.**

4. REMOVING CHAIR FROM PALLET

After the preceding steps are completed, the chair may be removed from the pallet and placed in the desired position on the floor.

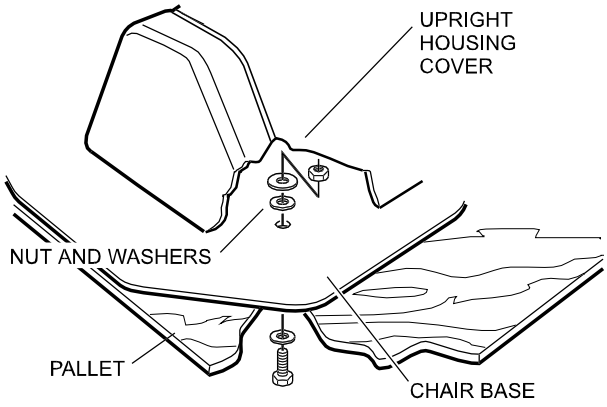

Figure 3

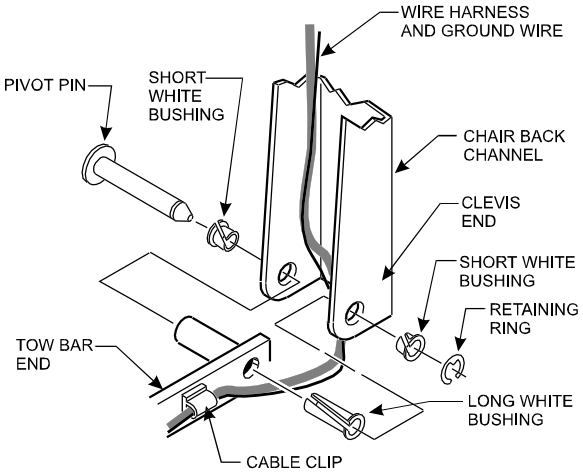

ILLUSTRATION SHOWING CHAIR BACK ASSEMBLY
(RIGHT-HAND SIDE SHOWN)

Figure 4

SECTION II - INSTALLATION (CONT)

5. INSTALLATION OF STANDARD MAGNETIC HEADREST AND CUSHION

1. Remove the headrest from the small carton; discard any shipping materials.

2. Insert the headrest tang in the slot and adjustment bracket at the top of the chair back (See Figure 5). When properly adjusted, the headrest should move freely up and down, but should not move on its own.

NOTE

The adjusting bracket tension is pre-set at the factory and should not require adjustment. If the movement of the headrest is out of adjustment use the following procedure:
1) Using a wrench, loosen the two locknuts on the side of the adjustment bracket.
2) Then, loosen or tighten the adjustment screws to achieve the desired tension and re-tighten the locknuts (Figure 7).

3. The headrest cushion is held to the headrest by a magnet and can be positioned as desired (See Figure 6).

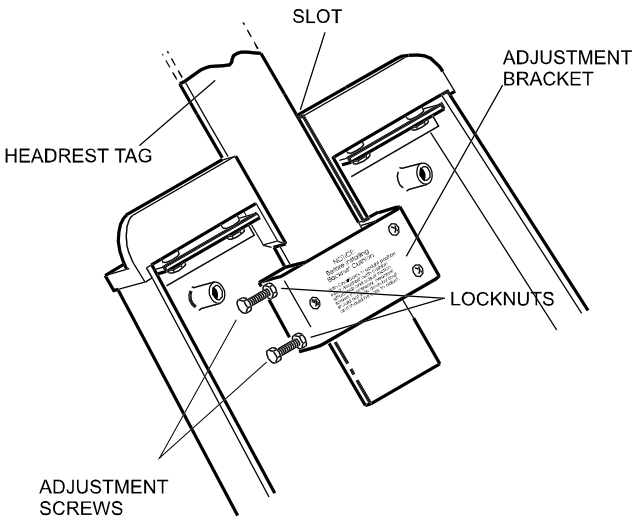

Figure 5

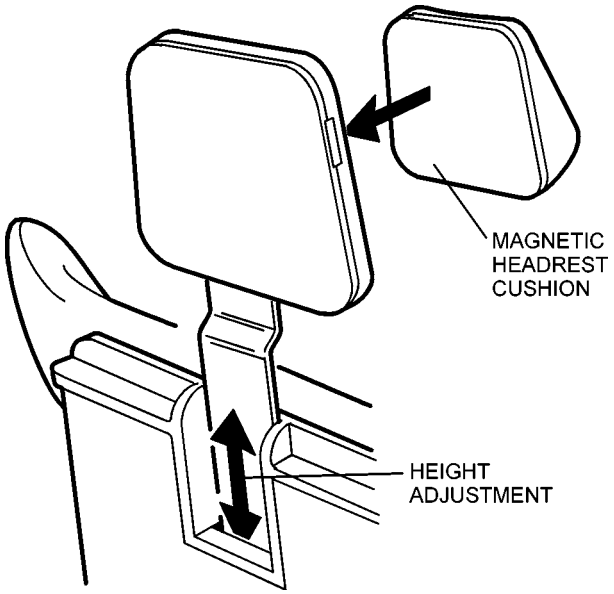

Figure 6

SECTION II - INSTALLATION (CONT)

6. INSTALLATION OF CHAIR SEAT UPHOLSTERY

Lower the footrest by pushing down on the footrest lever (See Figure 7). The seat upholstery is held in place with velcro strips. Position the seat upholstery on the chair as shown.

7. INSTALLATION OF CHAIR BACK UPHOLSTERY

The seat back is mounted over the four large head studs in the chair back (see Figure 8). Use the following instructions after first raising the back to a convenient height for installing the cushion:

1. Locate the hardware package; remove 4 springs, 4 cushion mounting studs, and 4 Phillips head screws.

2. Install the springs into the bushing on the chair back.

3. Insert the four small screws through the chair back and into the stud, compressing the springs to permit the screw to be inserted. Tighten the screw 2 to 3 turns in the stud.

4. Insert the chair back cushion over the studs, making sure that the head of the mounting stud fits through the hole in the plate in the cushion back.

5. Slide the chair back cushion down over the studs to lock it in place; make certain that all four are locked. Then tighten the four small screws to achieve the desired tension.

CAUTION: Over tightening of the screws may cause excessive distortion and/or wrinkling of the chair back cushion.

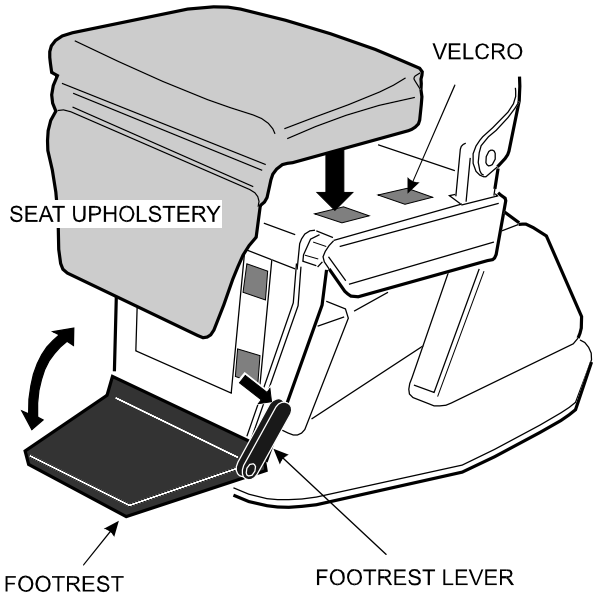

Figure 7

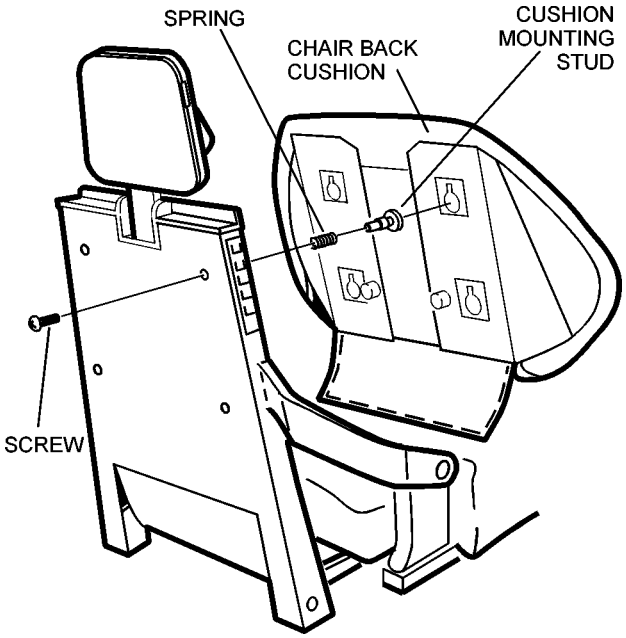

Figure 8

CAUTION: Handle all upholstery with care. Do not bend the Headrest, Back or Seat Cushions as this may cause excessive wrinkles or distortion of the upholstery.

NOTE: All Knight chair upholstery is made from the highest quality materials available and is designed for maximum patient comfort, easy cleaning and durability. Knight Chair upholstery will provide years of service when correctly maintained according to the Operator and Care Manual. Like all fine upholstery some minor wrinkles, waves or changes may occur. These changes are natural and in no way effect the performance or life of the product.

SECTION II - INSTALLATION (CONT)

8. INSTALLATION OF ARMREST

The armrest arms are keyed for the right and left sides of the chair. The straight portion of the armrest pad is located toward the inside. As shown in Figure 9, the rotation notch on the support post is thus positioned to allow the arm to be rotated 90 degrees away from the chair. Use the following procedure.

1. Unpack the armrests and discard all packing materials. The armrests are secured to the bottom of the small carton as shown in figure 10.

2. Insert the armrest assembly in the pivot post block. Make sure that the right and left hand mounting positions are observed. When the arm is parallel to the side of the chair, the notch at the bottom of the armrest support post will engage the locating pin inside the pivot post to hold the arm in position.

WARNING: The armrest should be installed as shown in Figure 9. Mounting the armrest improperly can damage the chair and/or cause personal injury.

3. Turn the setscrew (with 1/8-inch allen wrench) in the pivot post until it is tight (Figure 14). Then, back out the setscrew 1/2 turn. This permits the arm to be lifted out slightly and rotated, but prevents the complete removal of the arm from the pivot post.

NOTE: The setscrew is held in place by a retaining compound for shipment and will therefore turn hard.

9. INSTALLATION OF OPTIONAL EQUIPMENT

If optional equipment was ordered with the chair, it should be installed in accordance with the instructions included in the optional equipment package.

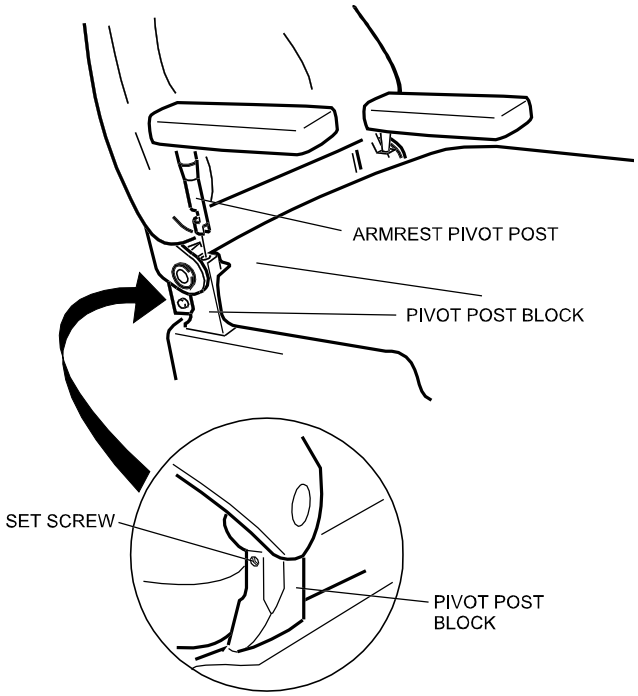

Figure 9

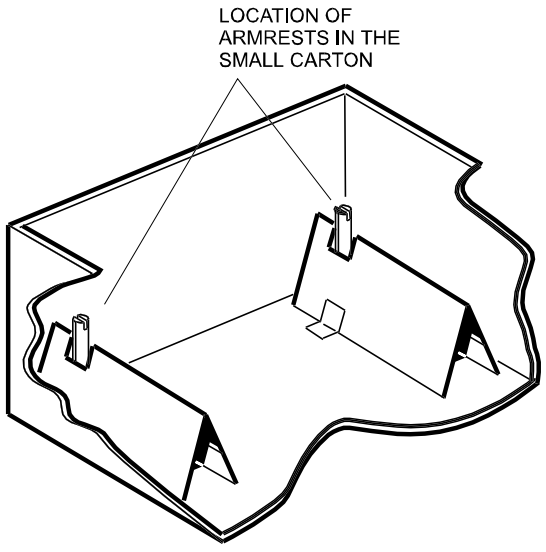

Figure 10

SECTION III - OPERATIONAL CHECKS

When the installation is complete, certain operational checks should be made, as follows:

1. ROTATION LOCK RELEASE

To ensure that the chair rotates freely, unlock the manual rotation lock release on both sides (Figure 11). Press the left-hand knob to release the lock. Check that the chair rotates freely, and then lock the chair by depressing the right-hand side of the lock release. The chair will rotate a total of 360^0.

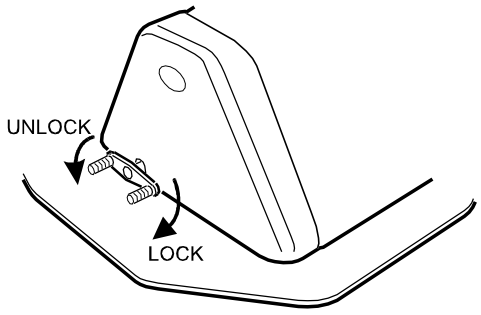

Figure 11

2. FOOT CONTROL OPERATION

The foot control (See Figure 12) duplicates the function of the Membrane "Touch Pad" panel, but is actuated by the operator's foot. Consisting of a selector (toggle) switch and a control disk, the foot control is operated as follows:

- The Selector Switch toggles from its Neutral position to the Automatic Operate (green) **or** Automatic Exit (yellow) positions
- The Automatic Operate position is actuated by momentarily pressing and releasing the selector switch to the position indicated in green.
- The Automatic Exit position is actuated by momentarily pressing and releasing the selector switch to the position indicated in yellow.
- To manually position the chair, actuate and hold the control disk to the desired quadrant. For example; sliding the disk to the left will actuate the back-down position.
- Two functions can be actuated simultaneously by sliding the disk in a diagonal direction. For example, Figure 13 illustrates the simultaneously actuation of the back-down and base-up functions.
- Releasing disk stops the movement of the chair.

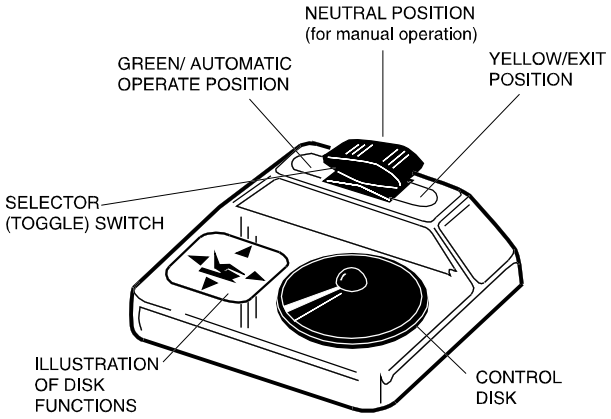

Figure 12
Optional

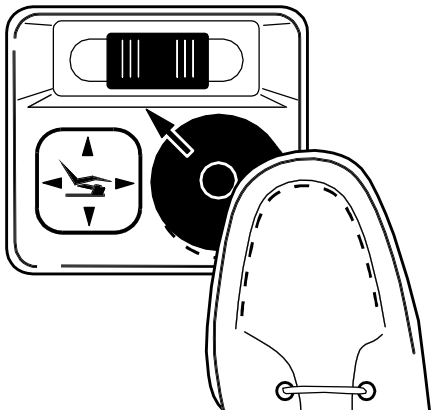

Figure 13

SECTION III - OPERATIONAL CHECKS (CONT)

3. MEMBRANE "TOUCH PAD" CONTROL PANEL

The Membrane “Touch Pad” Control panel is located on both sides of the chairback. The panel allows the operator to control the position of the chair from either side of the chair back, as well as by use of the foot control. The panel, shown in Figure 14, allows the operator to incline or recline the chair back or move the seat up or down by pressing the appropriate touch pad switch, holding it until the chair or back has achieved the desired position. The Automatic Operate/Exit Function switches are programmed settings that adjust the chair to the predetermined position. These two switches are actuated by momentarily pressing and releasing the appropriate switch.

WARNING: Once they are actuated, the Automatic Exit and the Automatic Operate functions may be stopped by momentarily depressing any switch on the touch pad control panel or actuating any function on the foot control.

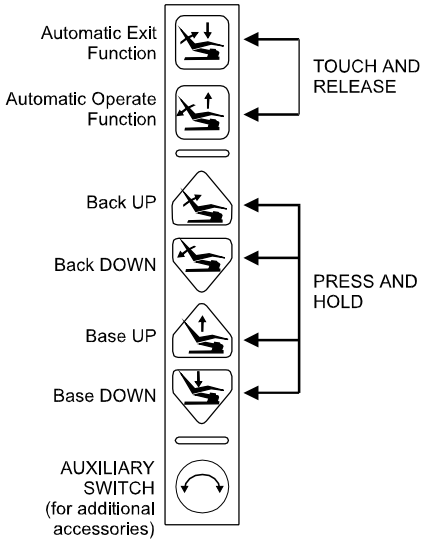

Figure 14

4. LIMIT SWITCH OPERATION AND SETTINGS

The automatic chair control system provides Automatic Operate and Automatic Exit functions. The Automatic Exit function (yellow switch position on foot control; top membrane touch pad position) is preset at the factory and not adjustable. The Automatic Operate position (green switch position on foot control; second from top membrane touch pad position) is readily programmed using the following procedures:

BASE PROGRAMMING PROCEDURE - The base adjustment is provided by a cam located on the left side of the base cover (see Figure 15).

1. Rotate the cam protruding from the base cover counter clockwise until it stops (see Figure 15).

2. Move the chair base to the desired position by means of the touch pad switches.

3. Rotate the cam clockwise until the switch clicks, which completes the procedure.

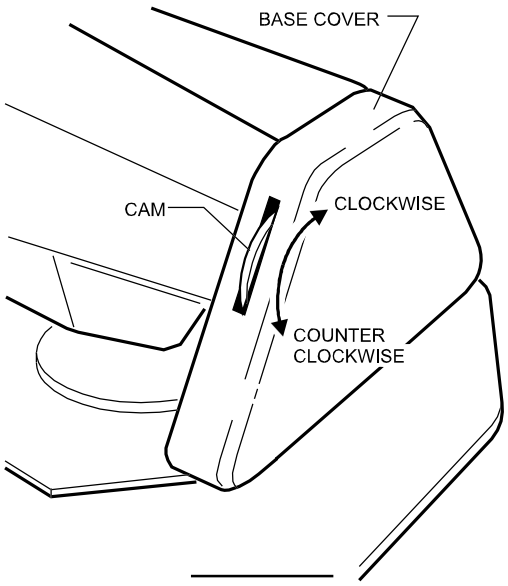

Figure 15

SECTION III - OPERATIONAL CHECKS (CONT)

BACK PROGRAMMING PROCEDURE - The back adjustment is located under the seat on the right side of the chair (see Figure 16). Use the following procedure.

- Move the chair back to the desired position by means of the manual touch pad switches.
- Loosen the thumbscrews, then move the actuator plate until the front edge contacts the microswitch.
- When the actuator plate is in position, tighten the thumbscrews.

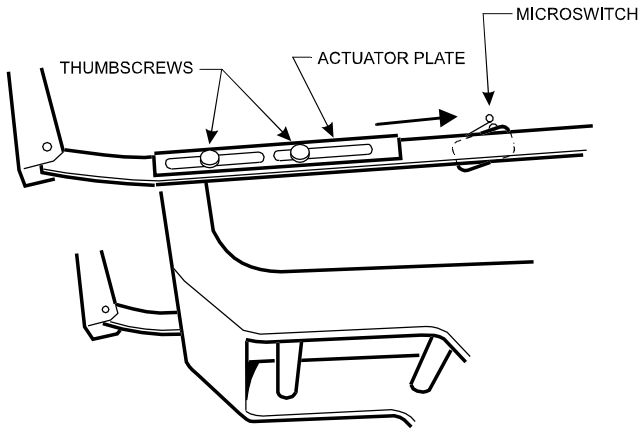

Figure 16

SECTION IV - FINAL CHECK LIST

When all the assembly and installation procedures are completed, the chair should be checked out in accordance with the following check list to ensure that assembly is complete and that all controls function properly.

- ☐ Check all controls for proper operation.
- ☐ Check chair rotation, stops and locking functions.
- ☐ Check the armrests to ensure proper functioning and that the armrest post is secured and will not move.
- ☐ Be sure that the cushions are properly installed.
- ☐ Be sure that all optional equipment has been installed.
- ☐ Check that all shipping tape and other packaging materials have been removed and disposed of.
- ☐ Make sure that the chair has been cleaned and that all dirt and finger prints have been removed.
- ☐ Be sure the person who will operate the chair receives the operators manual and any other appropriate information or instructions.

CONFORMS TO
UL STD. 544
CERTIFIED TO
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NOTES

NOTES

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